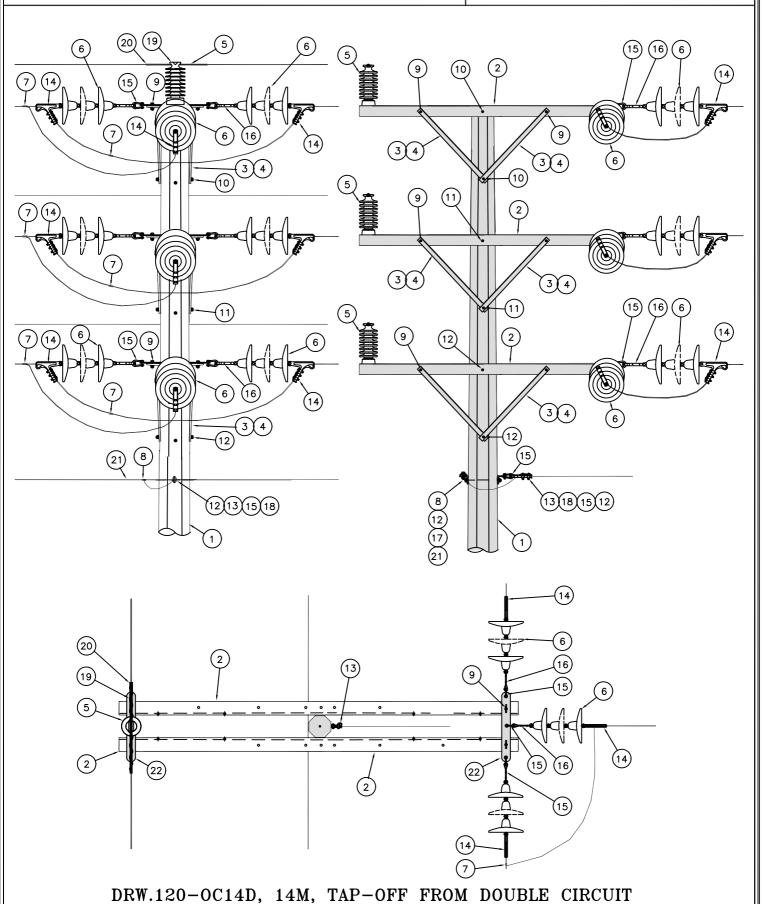


الشركة السعودية للكهرباء

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SDCS-01
Dated: 24-06-2003



INTERMEDIATE 0°-5° STRUCTURE TO SINGLE CIRCUIT BRANCH



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY			ICES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped 20—SDMS		Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
14	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
15	10	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
18	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
19	3	Preformed Line Post Insulator Top Tie for Merlin with Armour	20-SDMS-02	Fig. 35
20	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
21	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
22	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
23	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
24	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
25	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
26	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
27	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
28	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.120A-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0°-5° STRUCTURE TO S.C. BRANCH, MERLIN MAIN TO MERLIN TAP-OFF



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NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	CES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
14a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
15	10	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
18	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
19	3	Preformed Line Post Insulator Top Tie for Merlin with Armour	20-SDMS-02	Fig. 35
20	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
21	1	Preformed Armoured Rods For 67.44mm2 ACSR (Quail)	20-SDMS-02	Fig. 38
22	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
23	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
24	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
25	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
26	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
27	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
28	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.120B-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0°-5° STRUCTURE TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	BILL OF MATERIALS DESCRIPTION REFERENCES	
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
14	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
15	10	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
18	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
19	3	Preformed Line Post Insulator Top Tie for Quail with Armour	20-SDMS-02	Fig. 35
20	3	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Main)	20-SDMS-02	Fig. 38
21	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Earth Wire)	20-SDMS-02	Fig. 38
22	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
23	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
24	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
25	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
26	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
27	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
28	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

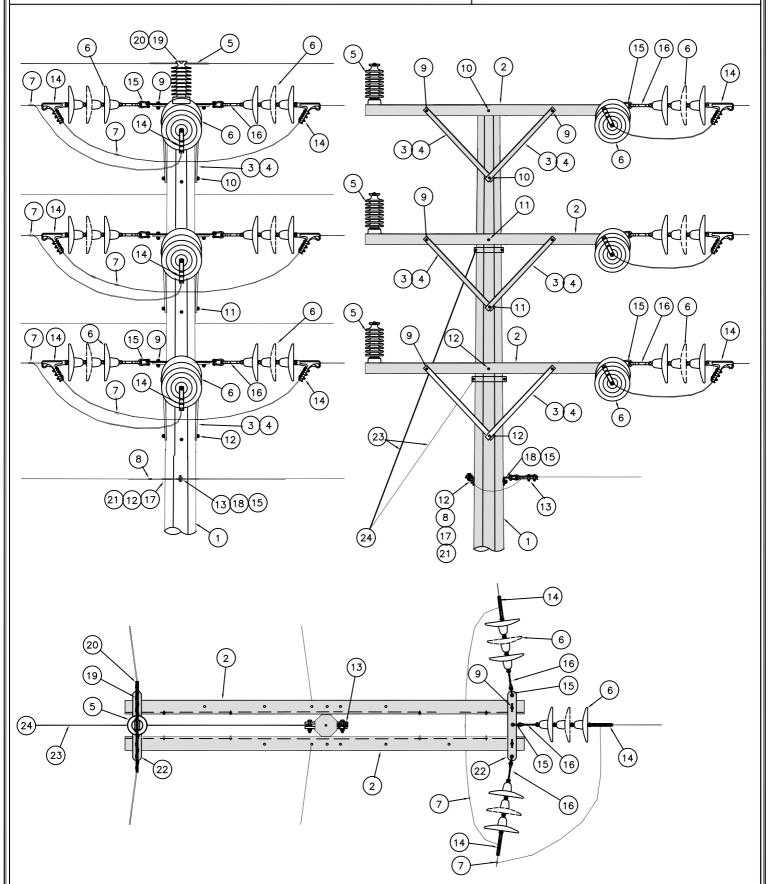
DRW.120C-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0°-5° STRUCTURE TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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SDCS-01
Dated: 24-06-2003



DRW.121-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
14	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
15	10	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
18	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
19	3	Preformed Line Post Insulator Side Tie for Merlin with Armour	20-SDMS-02	Fig. 35
20	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
21	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
22	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
23	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
26	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
27	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
29	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
30	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.121A-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 6°-15° STRUCTURE W/STAYS TO S.C. BRANCH MERLIN MAIN & MERLIN TAP-OFF



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

01 1 02 6 03 6 04 6 05 3 06 9 07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27N 24 1 25 1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit Crossarm — L 100x100x12x2400mm L.G. Brace — L 50x50x4x828mm L.G. Brace — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulator Suspension Insulator Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Suspension Support	20-SDMS-01 20-SDMS-02 20-SDMS-02 15-SDMS-01 15-SDMS-01 15-SDMS-01 20-SDMS-02	Page 37 Fig. 01 Fig. 04 Fig. 04 Clause 4.2.8 Page 23 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21 Fig. 06
03 6 04 6 05 3 06 9 S 07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 276 24 1 S	Brace — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulator Suspension Insulator Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-01 15-SDMS-01 15-SDMS-01 20-SDMS-02	Fig. 04 Fig. 04 Clause 4.2.8 Page 23 Fig. 39 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21
04 6 05 3 06 9 S 07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 276 24 1 S	Brace — L 50x50x4x828mm L.G. With One End Clipped Line Post Insulator Suspension Insulator Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 15-SDMS-01 15-SDMS-01 20-SDMS-02	Fig. 04 Clause 4.2.8 Page 23 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 20 Fig. 21
05 3 06 9 S 07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 278 24 1 S	Line Post Insulator tt Suspension Insulator Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	15-SDMS-01 15-SDMS-01 20-SDMS-02	Clause 4.2.8 Page 23 Fig. 39 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21
06 9 S 07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 276 24 1 S	Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	15-SDMS-01 20-SDMS-02	Page 23 Fig. 39 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21
07a 3 07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27b 24 1 S	Parallel Groove Compression Connector for Merlin — Merlin Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02	Fig. 39 Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21
07b 3 08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27b 24 1 S	Parallel Groove Compression Connector for Merlin — Quail Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02	Fig. 39 Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 29 Fig. 29 Fig. 20 Fig. 21
08 1 09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Parallel Groove Compression Connector for Quail Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02	Fig. 39 Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
09 24 10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 15 Fig. 15 Fig. 15 Fig. 15 Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
10 2 11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 15 Fig. 15 Fig. 15 Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
11 2 12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 15 Fig. 15 Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
12 3 13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 15 Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
13 1 14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 270 24 1 S	Strain Clamp, Straight Line Deadend Type for Quail Strain Clamp, 3 U—Bolts Type for Merlin Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 30 Fig. 29 Fig. 29 Fig. 20 Fig. 21
14a 6 14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Strain Clamp, 3 U-Bolts Type for Merlin Strain Clamp, 3 U-Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 29 Fig. 29 Fig. 20 Fig. 21
14b 3 15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Strain Clamp, 3 U—Bolts Type for Quail Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 29 Fig. 20 Fig. 21
15 10 16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Anchor Shackle Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02 20-SDMS-02	Fig. 20
16 9 17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Clevis Eye Extension Earthwire Support Plate	20-SDMS-02 20-SDMS-02	Fig. 21
17 1 18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	Earthwire Support Plate	20-SDMS-02	
18 1 19 3 20 3 21 1 22 6 23 27 24 1 S	+		Fig. 06
19 3 20 3 21 1 22 6 23 27 24 1 S	Earthwire Suspension Support	00 6046 00	
20 3 21 1 22 6 23 27N 24 1 S		20-SDMS-02	Fig. 05
21 1 22 6 23 27 24 1 S	Preformed Line Post Insulator Side Tie for Merlin with Armour	20-SDMS-02	Fig. 35
22 6 23 27N 24 1 S	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
23 27N 24 1 S	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24 1 S	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
<u> </u>	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25 1 S	t M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
	t Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
26 1 S	t Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
27 22N	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28 2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
29 1 S	t Pole Numbering Base Plate	20-SDMS-02	Fig. 51
30 1 S	t Pole Numbering Plates	20-SDMS-02	Fig. 51
	1		

DRW.121B-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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SDCS-01

Dated:	24-06-2003
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SERIAL NO.	QTY	TY BILL OF MATERIALS DESCRIPTION REFEREN		CES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
13	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
14	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
15	10	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
18	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
19	3	Preformed Line Post Insulator Side Tie for Quail with Armour	20-SDMS-02	Fig. 35
20	3	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Main)	20-SDMS-02	Fig. 38
21	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Earth Wire)	20-SDMS-02	Fig. 38
22	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
23	27M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
24	1 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
25	1 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
26	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
27	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
29	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
30	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

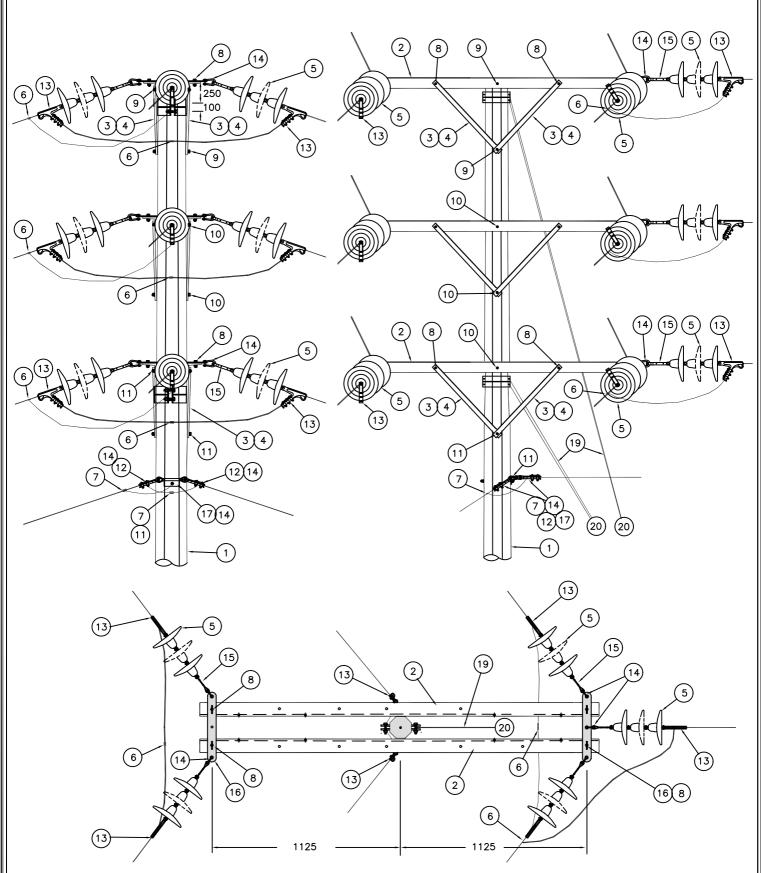
DRW.121C-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 6°-15° STRUC. WITH STAYS TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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DRW.122-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT MEDIUM & HEAVY ANGLE 16°-90° STRUCTURE WITH STAYS TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	15	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	18	Anchor Shackle	20-SDMS-02	Fig. 20
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
19	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	2 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 307
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.122A-OC14D, 14M,TAP-OFF FROM D.C. MEDIUM & HEAVY ANGLE 16°-90° STRUCTURE W/STAYS TO S.C. BRANCH MERLIN MAIN TO MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06a	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
06b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	12	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	18	Anchor Shackle	20-SDMS-02	Fig. 20
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
19	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	2 Set	M.V.—D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/5
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
	+			

DRW.122B-OC14D,14M, TAP-OFF FROM D.C. MEDIUM & HEAVY ANGLE 16°-90° STRUCTURE WITH STAYS TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF

MERLIN MAIN & QUAIL TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	NCES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	15	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	18	Anchor Shackle	20-SDMS-02	Fig. 20
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/
19	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	2 Set	M.V.—D.C. Two Stay Assembly	20-SDMS-02	Drw. 307
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		-

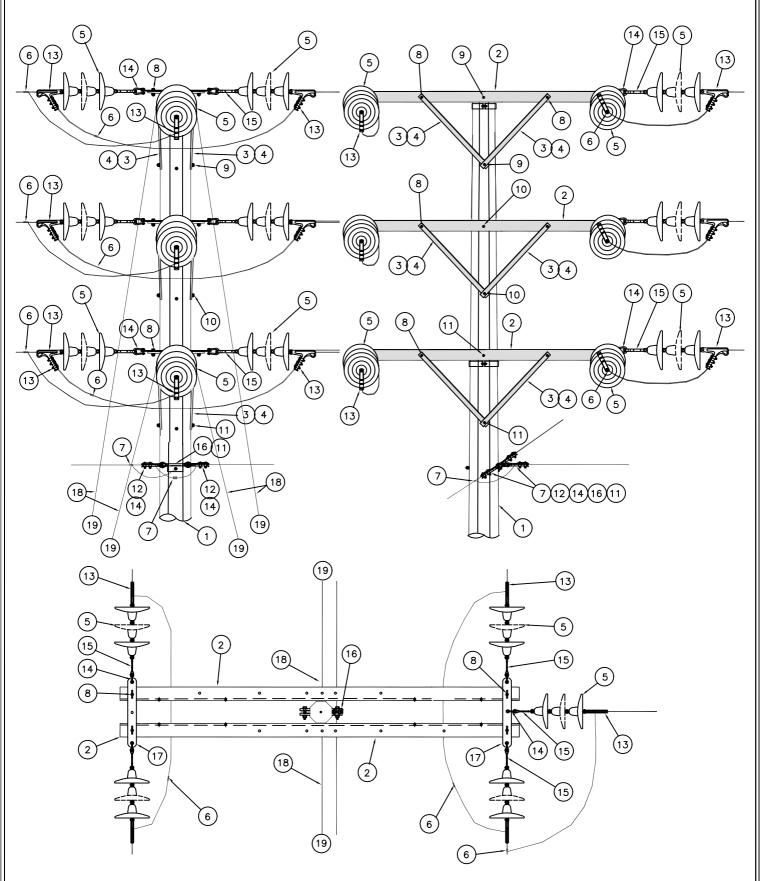
DRW.122C-OC14D, 14M,TAP-OFF FROM D.C. MEDIUM & HEAVY ANGLE 16°-90° STRUCTURE W/STAYS TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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DRW.123-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUCTURE WITH STAYS TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	REFERENCES	
01	1	OC14D - 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37	
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23	
06	9	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39	
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	15	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
14	18	Anchor Shackle	20-SDMS-02	Fig. 20	
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
18	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
19	1 Set	M.V.—D.C. Section Stay Assembly	20-SDMS-02	Drw. 308	
20	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		170.5mm2 ACSR/AW, MERLIN			

DRW.123A-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. WITH STAYS TO S.C. BRANCH MERLIN MAIN TO MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES		
01	1	OC14D - 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37		
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23		
06a	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39		
06b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39		
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39		
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15		
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
13a	12	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29		
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29		
14	18	Anchor Shackle	20-SDMS-02	Fig. 20		
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21		
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05		
17	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07		
18	58M	Stay Wire 7/4, 12mm2 Dia. HDG Steel, UTS 101kN (Min)				
19	1 Set	M.VD.C. Section Stay Assembly	20-SDMS-02	Drw. 308		
20	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54		
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
MERLIN MAIN & QUAIL TAP-OFF						

DRW.123B-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. WITH STAYS TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x310mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	15	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	18	Anchor Shackle	20-SDMS-02	Fig. 20
15	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	58M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
19	1 Set	M.V.—D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
20	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

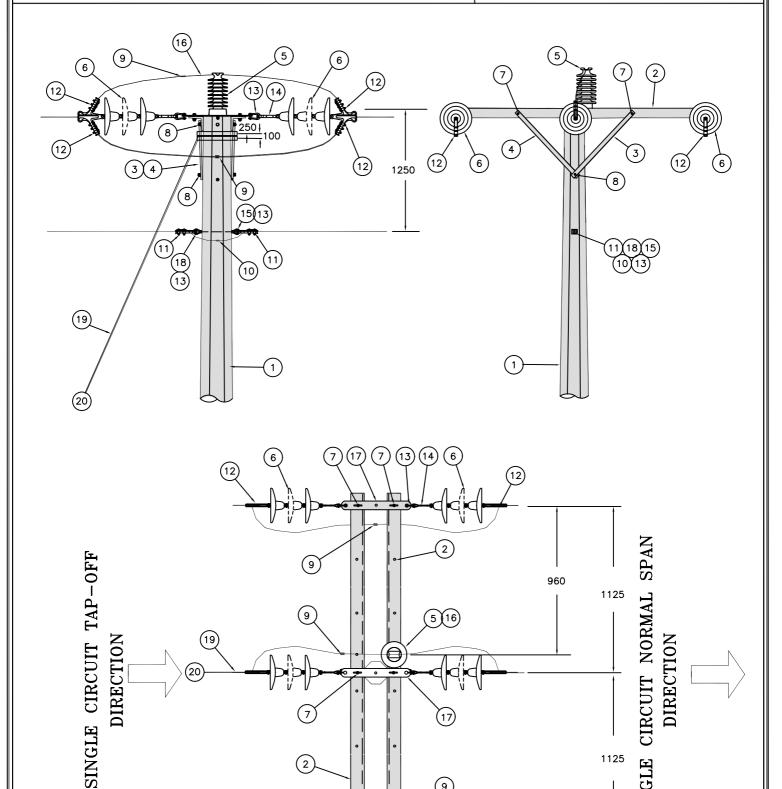
DRW.123C-OC14D, 14M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. WITH STAYS TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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Dated:	24-06-2003



DRW.124-OC14D, 14M, SLACK POLE STRUCTURE WITH STAYS FROM D.C. TAP-OFF MERLIN MAIN TO SINGLE CIRCUIT BRANCH

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	SEC	DISTRIBUTION	CONSTRUCTION		Dated:	24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	8	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.124A-OC14D, 14M, SLACK POLE STRUCTURE WITH STAYS FROM D.C. TAP-OFF, MERLIN MAIN TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14D — 14 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 37
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	2	Strain Clamp, Straight Line Deadend Type for Quail (Earth Wire)	20-SDMS-02	Fig. 30
12	6	Strain Clamp, 3 U—Bolts Type for Quail (Main)	20-SDMS-02	Fig. 29
13	8	Anchor Shackle	20-SDMS-02	Fig. 20
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19
19	32M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
22	22M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
_				
		67.44mm2 ACSR/AW, QUAIL		

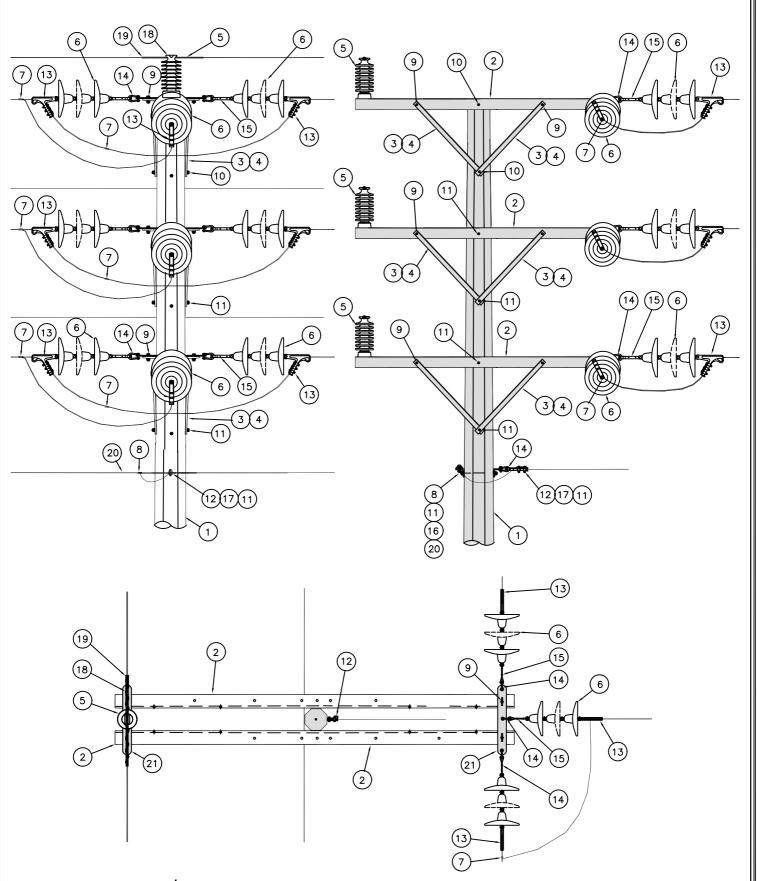
DRW.124B-OC14D, 14M, SLACK POLE STRUCTURE WITH STAYS FROM DOUBLE CIRCUIT TAP-OFF, QUAIL MAIN TO SINGLE CIRCUIT BRANCH



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Dated: 24-06-2003



DRW.125-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0° STRUCTURE TO SINGLE CIRCUIT BRANCH



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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 6
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 5
18	3	Preformed Line Post Insulator Top Tie for Merlin with Armour	20-SDMS-02	Fig. 35
19	3	Preformed Armoured Rods For 170.5mm2 ACSR (Merlin)	20-SDMS-02	Fig. 38
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.125A-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0° STRUC. TO SINGLE CIRCUIT BRANCH MERLIN MAIN TO MERLIN TAP-OFF



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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38	
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23	
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39	
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
14	10	Anchor Shackle	20-SDMS-02	Fig. 20	
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 06	
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
18	3	Preformed Line Post Insulator Top Tie for Merlin with Armour	20-SDMS-02	Fig. 35	
19	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38	
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 53/53	
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 49/50	
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02		
24	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		MERLIN MAIN & QUAIL TAP-OFF			

DRW.125B-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0° STRUC. TO SINGLE CIRCUIT BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	3	Preformed Line Post Insulator Top Tie for Quail with Armour	20-SDMS-02	Fig. 35
19	3	Preformed Armoured Rods For 67.44mm2 ACSR (Quail Main)	20-SDMS-02	Fig. 38
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Earth Wire)	20-SDMS-02	Fig. 38
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
23	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
24	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
25	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
26	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
27	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

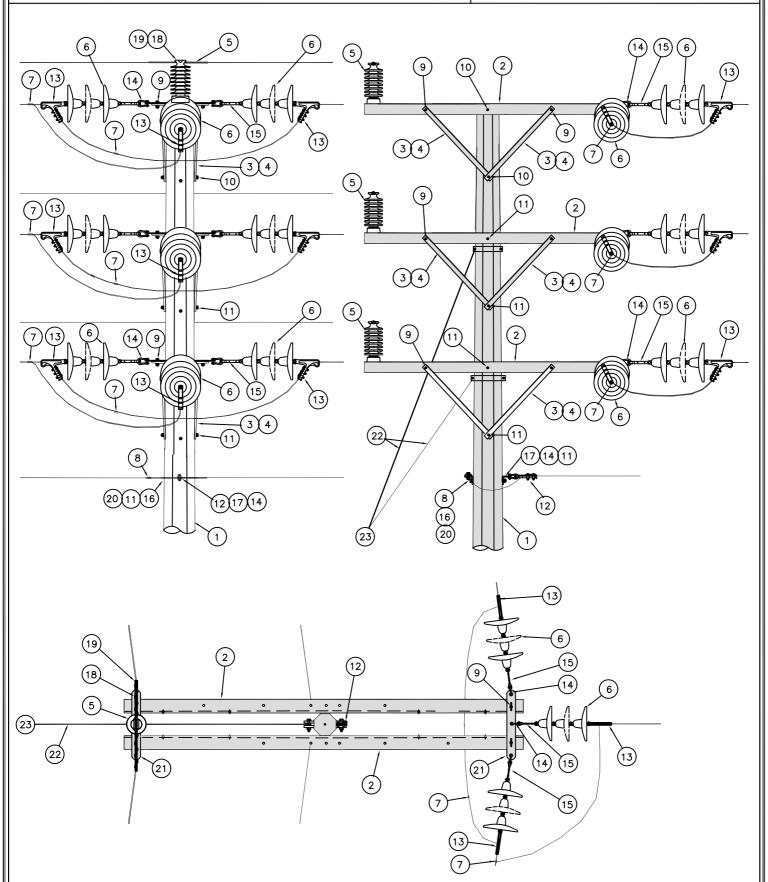
DRW.125C-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT INTERMEDIATE 0° STRUC. TO SINGLE CIRCUIT BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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Dated: 24-06-2003



DRW.126-OC15S/D,15M,TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 1°-15° STRUCTURE WITH STAYS TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	3	Preformed Line Post Insulator Side Tie for Merlin with Armour	20-SDMS-02	Fig. 35
19	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
22	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
23	1 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
24	1 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		3		
		170.5mm2 ACSR/AW, MERLIN		

DRW.126A-OC15S/D,15M,TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 1°-15° STRUC. W/STAYS TO S.C. BRANCH MERLIN MAIN & MERLIN TAP-OFF



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SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	3	Preformed Line Post Insulator Side Tie for Merlin with Armour	20-SDMS-02	Fig. 35
19	3	Preformed Armoured Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
22	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
23	1 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
24	1 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.126B-OC15S/D,15M,TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 1°-15° STRUC. WITH STAYS TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 24-06-2003

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	CES
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	1	Earthwire Support Plate	20-SDMS-02	Fig. 06
17	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	3	Preformed Line Post Insulator Side Tie for Quail with Armour	20-SDMS-02	Fig. 35
19	3	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Main)	20-SDMS-02	Fig. 38
20	1	Preformed Armoured Rods For 67.44mm2 ACSR/AW (Quail Earth Wire)	20-SDMS-02	Fig. 38
21	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
22	30M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
23	1 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 303
24	1 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
25	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
26	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
27	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
28	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

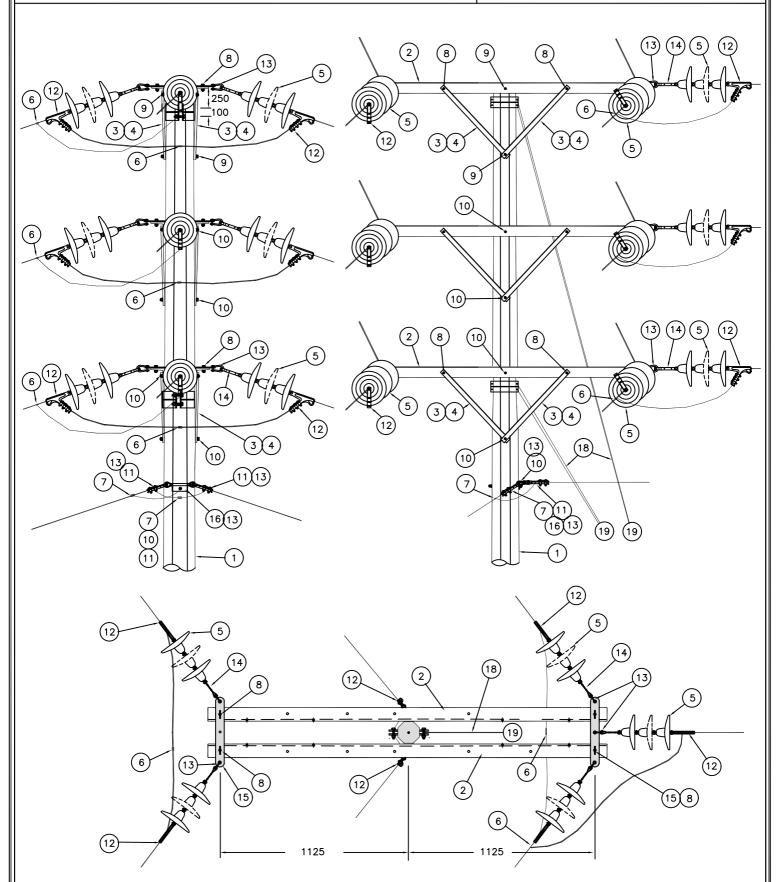
DRW.126C-OC15S/D,15M,TAP-OFF FROM DOUBLE CIRCUIT LIGHT ANGLE 1°-15° STRUC. WITH STAYS TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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DRW.127-OC15S/D,15M,TAP-OFF FROM D.C. MEDIUM & HEAVY ANGLE 16°-90° STRUCTURE WITH STAYS TO SINGLE CIRCUIT BRANCH



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	15	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	18	Anchor Shackle	20-SDMS-02	Fig. 20
14	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
17	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
18	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
19	2 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 307
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	18M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.127A-OC15S/D,15M,TAP-OFF FROM D.C.MEDIUM & HEAVY ANGLE 16°-90° STRUC. W/STAYS TO S.C. BRANCH MERLIN MAIN TO MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	REFERENCES	
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38	
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23	
06a	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39	
06b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39	
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
12a	12	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
12b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
13	18	Anchor Shackle	20-SDMS-02	Fig. 20	
14	15	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 50	
17	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
18	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
19	2 Set	M.V.—D.C. Two Stay Assembly	20-SDMS-02	Drw. 307	
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
21	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		MERLIN MAIN & QUAIL TAP-OFF			

DRW.127B-OC15S/D,15M,TAP-OFF FROM D.C. MEDIUM&HEAVY ANGLE 16°-90° STRUC.WITH STAYS TO S.C. BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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SERIAL	SERIAL				
NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	REFERENCES	
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38	
02	6	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23	
06	9	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39	
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39	
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
12	15	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
13	18	Anchor Shackle	20-SDMS-02	Fig. 20	
14	15	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
16	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
17	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54	
 18	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
19	2 Set	M.VD.C. Two Stay Assembly	20-SDMS-02	Drw. 307	
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
21	18M	Anti—Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
-					
		67.44mm2 ACSR/AW, QUAIL			
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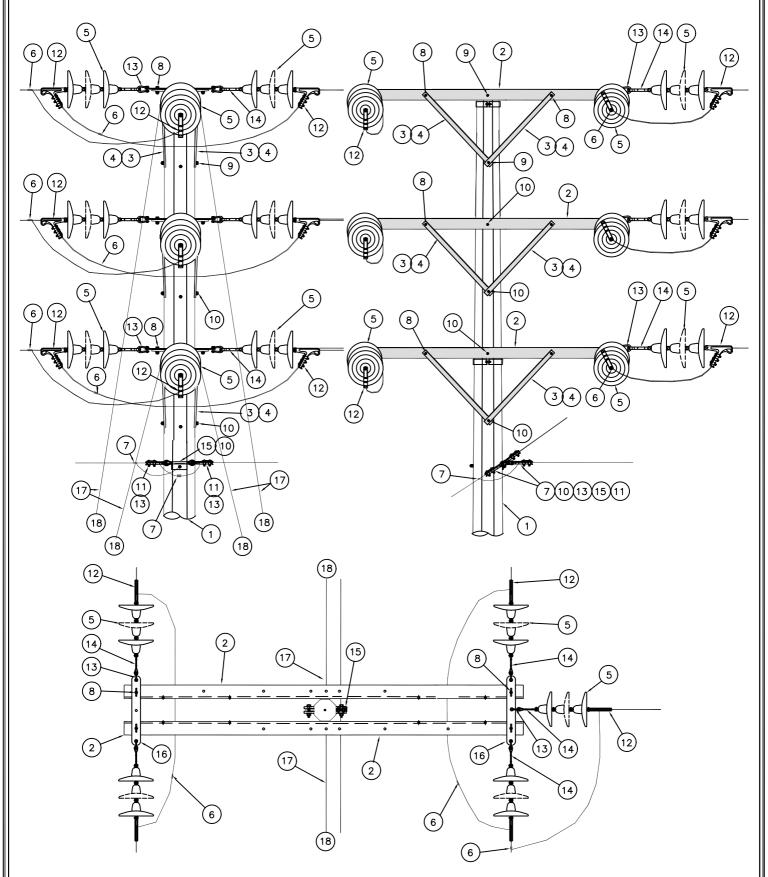
DRW.127C-OC15S/D,15M,TAP-OFF FROM D.C. MEDIUM&HEAVY ANGLE 16°-90° STRUC. W/STAYS TO S.C. BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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DRW.128-OC15S/D,15M,TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUCTURE TO SINGLE CIRCUIT BRANCH



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NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
80	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	15	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
13	18	Anchor Shackle	20-SDMS-02	Fig. 20
14	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.—D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/5
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.128A-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. W/STAYS TO SINGLE CIRCUIT BRANCH MERLIN MAIN TO MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06a	6	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
06b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
08	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12a	12	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
12b	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	18	Anchor Shackle	20-SDMS-02	Fig. 20
14	15	Clevis Eye Extension	20-SDMS-02	
15	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	63M	Stay Wire 7/4, 12mm2 Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.—D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		

DRW.128B-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. W/STAYS TO SINGLE CIRCUIT BRANCH MERLIN MAIN TO QUAIL TAP-OFF



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SERIAL NO. BILL OF MATERIALS DESCRIPTION		REFERENCES		
01	1	OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38
02	6	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	6	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	6	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	15 Set	Suspension Insulator	15-SDMS-01	Page 23
06	9	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
07	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
80	24	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
09	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	5	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
12	15	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
13	18	Anchor Shackle	20-SDMS-02	Fig. 20
14	15	Clevis Eye Extension	20-SDMS-02	Fig. 21
15	1	Earthwire Suspension Support	20-SDMS-02	Fig. 05
16	6	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
17	63M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
18	1 Set	M.V.—D.C. Section Stay Assembly	20-SDMS-02	Drw. 308
19	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53/54
20	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50
21	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
22	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
23	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51
24	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

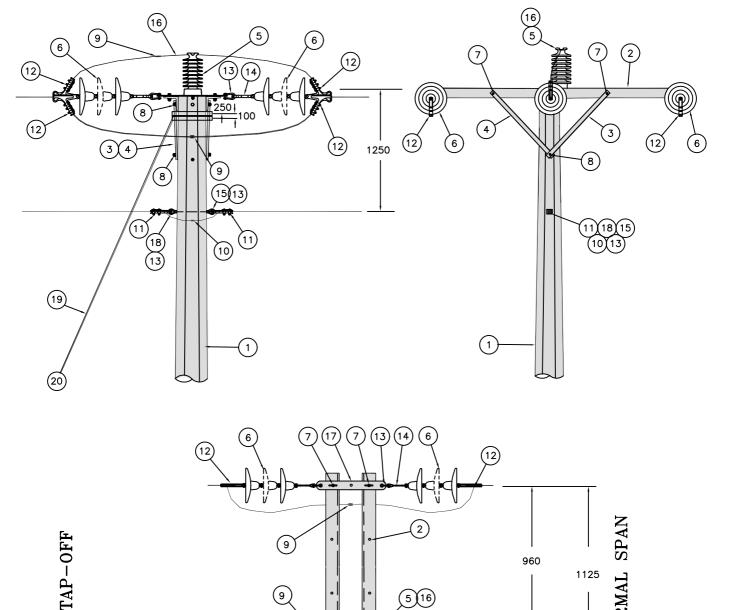
DRW.128C-OC15S/D, 15M, TAP-OFF FROM DOUBLE CIRCUIT SECTION STRUC. W/STAYS TO SINGLE CIRCUIT BRANCH QUAIL MAIN TO QUAIL TAP-OFF



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DRW.129-OC15S/D, 15M, SLACK POLE STRUCTURE WITH STAYS FROM DOUBLE CIRCUIT TAP-OFF TO SINGLE CIRCUIT BRANCH



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SDCS-01

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EC	DISTRIBUTION	CONSTRUCTION		Dated:	24-06-2003

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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES			
01	1	OC15S/D — 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38		
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01		
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04		
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04		
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8		
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23		
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15		
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15		
09	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39		
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39		
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30		
12	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29		
13	8	Anchor Shackle	20-SDMS-02	Fig. 20		
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21		
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17		
16	1	Preformed Line Post Insulator Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35		
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07		
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19		
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)				
20	1 Set M.V.—S.C. Two Stay Assembly		20-SDMS-02	Drw. 304		
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50		
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13		
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13		
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51		
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51		
		170.5mm2 ACSR/AW, MERLIN				

DRW.129A-OC15S/D, 15M, SLACK POLE STRUCTURE WITH STAYS FROM DOUBLE CIRCUIT TAP-OFF, MERLIN MAIN TO SINGLE CIRCUIT BRANCH



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SDCS-01

CITC	DICTRIBUTION	CONSTRUCTION	CTANDADDC		3DC3-01
SEC	DISTRIBUTION	CONSTRUCTION		Dated:	24-06-2003

SERIAL NO.	QTY 1	BILL OF MATERIALS DESCRIPTION		REFERENCES	
01		OC15S/D - 15 Meter Steel Pole, HDG, Double Circuit	20-SDMS-01	Page 38	
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	2	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail Main)	20-SDMS-02	Fig. 39	
10	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail E.W.)	20-SDMS-02	Fig. 39	
11	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
12	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29	
13	8	Anchor Shackle	20-SDMS-02	Fig. 20	
14	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
15	1	Shoulder Eye Bolt, M20x260mm W/2 Nuts, 1 Flat & 1 Spring Washers	20-SDMS-02	Fig. 17	
16	1	Preformed Line Post Insulator Top Tie For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 35	
17	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
18	1	Eye Nut For M20	20-SDMS-02	Fig. 19	
19	35M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
20	1 Set	M.V.—S.C. Two Stay Assembly	20-SDMS-02	Drw. 304	
21	1 Set	Danger Sign Plate Complete With Its Accessories	20-SDMS-02	Fig. 49/50	
22	18M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
23	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13	
24	1 Set	Pole Numbering Base Plate	20-SDMS-02	Fig. 51	
25	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		67.44mm2 ACSR/AW, QUAIL			

DRW.129B-OC15S/D, 15M, SLACK POLE STRUCTURE WITH STAYS FROM DOUBLE CIRCUIT TAP-OFF QUAIL MAIN TO SINGLE CIRCUIT BRANCH